

## WHAT IS CLAIMED IS:

1. An audio mixing circuit comprising:

an equalizer;

5 a fader cascaded to the equalizer;

a distance filter cascaded to the fader for attenuating and increasing an audio signal level of an input audio signal in an entire audio-frequency band and an audio signal level of a high-audio-frequency component extracted from the input audio signal, in a correlated manner; and

10 a pan circuit cascaded to the distance filter.

2. An audio mixing circuit according to claim 1, wherein the distance filter

includes a variable attenuator for attenuating an input audio signal to an arbitrary level, and a low-pass filter capable of varying a cutoff frequency, wherein one of the

15 variable attenuator and the low-pass filter is cascaded to the other of the variable attenuator and the low-pass filter; and

wherein an amount of attenuation of the variable attenuator and the cutoff frequency of the low-pass filter are determined so that the cutoff frequency is lower when the amount of attenuation is larger.

20